

Title (en)

NOVEL FLUORESCENCE QUENCHING PROBE FOR MEASURING NUCLEIC ACID

Title (de)

NEUARTIGE FLUORESCENZLÖSCHUNGSSONDE ZUR MESSUNG VON NUKLEINSÄURE

Title (fr)

NOUVELLE SONDE D'EXTINCTION DE FLUORESCENCE POUR MESURER UN ACIDE NUCLÉIQUE

Publication

EP 3633049 A1 20200408 (EN)

Application

EP 18809563 A 20180517

Priority

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Abstract (en)

The present invention provides a QProbe that can be fluorescently labeled at a lower cost. A nucleic acid probe labeled with a fluorescent dye whose emission is reduced when the probe is hybridized with a target nucleic acid is provided. The probe is labeled with a fluorescent dye at its 5' terminal site via an ssH amino linker as shown below or at its 3' terminal site via a CA amino linker as shown below. The base sequence of the nucleic acid probe is so designed that, when the probe is hybridized with a target nucleic acid, at least one G (guanine) exists in the base sequence of the target nucleic acid at a position 1 to 3 bases apart from the base at the terminal site where the probe and the target nucleic acid are hybridized with each other.

IPC 8 full level

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CPC (source: EP)

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